



UltraFlow Pond Pump

Instruction Manual

Before operating this appliance, please read this instruction manual completely and keep it handy for future reference!



Image showing optional second inlet allowing water to pull from a skimmer (not included). This is not a primary function. See back page for further information.

CE
UK
CA

Limited Warranty

This product is guaranteed for a period of 36 months (excluding rotor assembly) from the date of purchase for material or manufacturing defects. The guarantee covers the substitution of defective parts. However, the guarantee is considered null and void in the case of improper use, improper handling or negligence on the part of the buyer. If your pondXpert pump fails please take it back to the retail outlet from where it was purchased. You will be required to take your receipt/proof of purchase with you. This does not affect your statutory rights.

PondXpert
A3 Bentley Avenue
Billingham
TS23 4BU
UK

01642 370898 www.pondxpert.co.uk



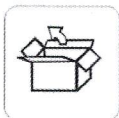
Your appliance contains valuable materials which can be recovered or recycled. Leave it at a local civic waste collection point.

UltraFlow Pond Pump



1. INSTRUCTION FOR USE

Congratulations on your choice of pond pump. The PondXpert UltraFlow boasts the latest in pump technology employing the latest electronic motor with on-board integrated circuitry. Please familiarise yourself and follow the following instructions which are designed to inform you and keep you safe.



WARNING: This product is powered by mains electric. water and electricity are a dangerous mix and safety advice must be followed. Children and young people under the age of 16 may not use this device, nor persons incapable of recognizing potential hazards or reading instructions.

2. UN PACKING

Notify your dealer immediately if this product is received damaged in any way. Note that the power cable is designed to be permanently connected - if it is damaged do not use.



3. CONVENTIONAL USE

Pump is designed to be run in a garden pond to power a filter and/or waterfall. Pump can be used in water temperature range of 4 degs C to 35 degs C.

4. SAFETY INSTRUCTIONS



This unit is designed for outdoor use only. It is waterproof and should be situated safely under the pond water. Ideally the pump should be situated at the bottom of the pond as this is where fish waste and debris collects. Take care to ensure that you can easily lift your pump out of the water for routine maintenance. If this is necessary do not pick your pump up by the electrical cable but by the handle of the pump.

Always disconnect all equipment in the pond before starting to handle, maintain, repair or install any pond equipment. The pump is electrically operated so great care must be taken during installation and operation. The following electrical and safety guidelines must be carefully followed.

Each pump is supplied with a 10 metre length of 3 core electrical cable which is permanently connected to the pump.



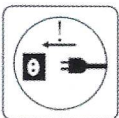
The wires in the mains electrical lead are coloured in accordance with the following code:

BLUE – Neutral (marked with an "N" in most terminal connections)

BROWN – LIVE (marked with an "L" in most terminal connections)

GREEN/YELLOW – EARTH (marked "E" or in most terminal connections)

The termination to the mains supply should be permanent, inside a dry weatherproof enclosure, through a double pole switched fused spur with a minimum contact gap of 3mm – (disconnected) to BS 3676 – and fitted with a 3 or 5 amp fuse. Exposed cable runs should be sensibly positioned and protected if necessary by armoured conduit. A 10mA or 30mA Residual Current Circuit Breaker (RCD) MUST be fitted to the mains supply. Permanent installations to the mains supply (hard wiring) must comply with the regulations of the local electricity authority which may stipulate the use of metal or plastic conduit to protect the cable. If in any doubt about wiring to the mains supply contact a qualified electrician or your local electricity authority. Protect from frost.



1st January 2005 revised Building Regulations for England and Wales.

Installing this product in the garden is classified as 'notifiable'.

The Regulations now require you to tell your local authority building control department that you intend to install this product before installation. Your local authority will let you know how you can get your installation approved

5. PLACING IN SERVICE

Read and familiarise yourself with the safety instructions (4).

Compare line voltage (V) and frequency (HZ) of your electrical circuit with the data on the model plate. This data must agree. Fastening a hauling rope to the handle will make it easier to pull pump out of water when required.

Connect hosedtail(s) as required to the pump.

Install pump on a level surface at least 20cm below the water surface.

Maximum permitted insertion is shown on the model plate.

UltraFlow Pond Pump

For maximum performance place the pump on a raised surface as the strainer slits on the bottom of the pump will quickly block with mud if pump is laid on the pond floor.
Ensure the pump is within easy reach for periodic servicing.
Connect pump to electrical supply.

Additional installation instructions:

Maximum flow rates are based on water exiting directly at pump outlet. The higher the water outlet the lower the final flow rate due to gravity.
Flow will also suffer frictional loss from anything that prevents a smooth exit - such as long lengths of pond hose, bends or additional accessories.
To reduce frictional loss use the widest diameter hose possible, cut off the smaller part of any of the multi-stage hosetail and try to avoid sharp bends when positioning outlet hose.



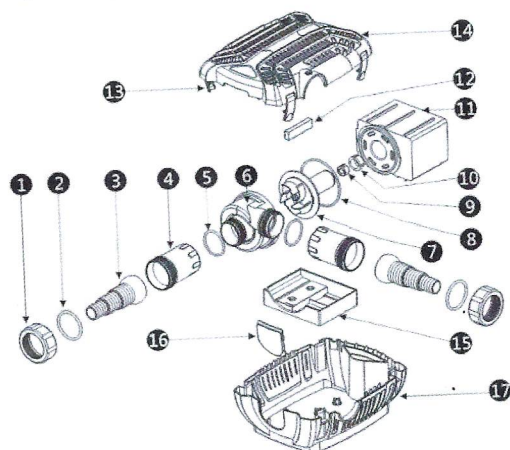
6. MAINTENANCE/CLEANING

Ensure pump is disconnected from mains power supply (see section 4).
Pull pond out of water into a safe place away from the pond.

Unclip the four fastening clips - disconnect and remove pump motor.
Clean the top and bottom parts of the pump strainer cage - removing any blockages.
Use a small brush and water and gently clean away any obstructions.



Check pump motor to see if impellor housing is clear of debris.
This should be checked visually and if unsure a digit can be inserted into the impellor housing (impellor inside housing should turn both ways with little resistance). If access to the impellor itself is required this is easily achieved. Simply hold Motor Body (11) in one hand and with Pump Housing (6) in the other 'active' hand gently turn anti-clockwise to expose the impellor.
Recycle the steps above to return the pump to its original state and return to the pond.



1	Nut	10	Bearing housing
2	O-ring1	11	Motor body
3	Inlet/Outlet	12	Rubber stopper
4	Inlet/Outlet adaptor	13	Fastening clip
5	O-ring2	14	Upper filter cage
6	Pump housing	15	Motor bracket
7	Rotor subassembly	16	Inlet Guard
8	O-ring3	17	Lower filter cage
9	Ceramic bearing		

7. FEATURES

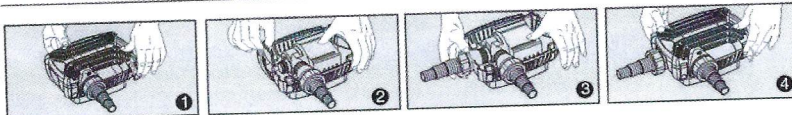
- * Pump impellor is able to cope with solid particles of matter (up to 6mm in size). This means that the pump is able to run continuously without blocking up.
- * Running costs are incredibly low due to the eco-motor employed.
- * If the water level drops too low the pump will stop running to protect the motor from burn out.
- * Easy maintenance - tool free access to pump motor (and impellor too if necessary).
- * Integrated carry handle - the pump should never be lifted via the power cable.
- * Pump can run 'dry' if required. This is often required by gravity-fed ponds. Note - pump should be positioned below pond water level if this type of running is required.
- * Ceramic shaft enhances wear resistance prolonging life of rotor assembly.
- * Suitable for freshwater and sea water use.

8. WINTER CARE

It is fine to run your pond pump right through the winter months in the UK.
If removal is required follow these steps:

- 1) Remove pump from water. 2) Clean the pump (see 6). 3) Check pump for damage. 4) Store pump in frost-free conditions (if possible store pump submerged under water).

9. UTILISING SECOND INLET



- 1) Unfasten the four clips to remove top half of pump strainer cage.
- 2) If the secondary inlet is to be utilised then remove the Inlet Guard.
- 3) Assemble and fit the Secondary Hosetail using adaptor provided as shown.
- 4) Return the top part of the pump strainer cage and push down retaining clips to lock down.

Without second inlet dirty water is drawn through external filter cage. Utilising the second inlet means dirty water can be drawn in through hose attached to a skimmer

10. TROUBLE SHOOTING

Caution: Follow the safety instructions (section 4.0)

Malfunction	Cause	Remedy
Pump does not turn on	<ul style="list-style-type: none"> There is no power Inplug and unplug frequently 	<ul style="list-style-type: none"> Check the electrical circuit Please wait for 10 seconds
Pump does not displace water	<ul style="list-style-type: none"> Filter housing is blocked Rotor is blocked 	<ul style="list-style-type: none"> Clean filter housing(section 6.0) Clean pump (section 6.2)
Insufficient water displacement	<ul style="list-style-type: none"> Filter housing is blocked Excessive loss in the supply lines There are some rubbish on the impeller 	<ul style="list-style-type: none"> Clean filter housing(section 6.0) Reduce hose lengths to the minimum required, do not use unnecessary connecting parts Clean the impeller
The pump turns off after running for a short time	<ul style="list-style-type: none"> Water is very dirty The water temperature is too high 	<ul style="list-style-type: none"> Clean pump (section 6.0) Insure that the water temperature does not exceed +35 °C

11. TECHNICAL PARAMETER

Model	Voltage	Power	H-max	Output	Outlet Hose Size	Cable Length
UF3000	AC220~240V/50Hz	10W	2.0m	3000L/h	1"~1 1/4"~1 1/2"	10m
UF3600		20W	2.8m	3600L/h	1"~1 1/4"~1 1/2"	10m
UF5300		30W	3.3m	5300L/h	1"~1 1/4"~1 1/2"	10m
UF6000		40W	4.2m	6000L/h	1"~1 1/4"~1 1/2"	10m
UF7000		50W	4.6m	7000L/h	1"~1 1/4"~1 1/2"	10m
UF8000		70W	5.6m	8000L/h	1"~1 1/4"~1 1/2"	10m
UF10000		80W	6.0m	10000L/h	1"~1 1/4"~1 1/2"	10m
UF12000		100W	6.5m	12000L/h	1"~1 1/4"~1 1/2"	10m
UF14000		120W	7.0m	14000L/h	1"~1 1/4"~1 1/2"	10m
UF16000		140W	7.5m	16125L/h	1"~1 1/4"~1 1/2"	10m
UF20000		180W	6.0m	20000L/h	1"~1 1/4"~1 1/2"~2"	10m